

Title (en)

MEMORY CHIP HAVING AN INTEGRATED DATA MOVER

Title (de)

SPEICHERCHIP MIT INTEGRIERTER DATENBEWEGUNGSVORRICHTUNG

Title (fr)

PUCE MÉMOIRE À DISPOSITIF DE DÉPLACEMENT DE DONNÉES INTÉGRÉ

Publication

**EP 4031978 A4 20231011 (EN)**

Application

**EP 20864950 A 20200909**

Priority

- US 201916573780 A 20190917
- US 2020049938 W 20200909

Abstract (en)

[origin: US2021081336A1] A memory chip having a first set of pins configured to allow the memory chip to be coupled to a first microchip or device via first wiring. The memory chip also having a second set of pins configured to allow the memory chip to be coupled to a second microchip or device via second wiring that is separate from the first wiring. The memory chip also having a data mover configured to facilitate access to the second microchip or device, via the second set of pins, to read data from the second microchip or device and write data to the second microchip or device. Also, a system having the memory chip, the first microchip or device, and the second microchip or device.

IPC 8 full level

**G06F 12/1081** (2016.01); **G06F 12/08** (2016.01); **G06F 12/14** (2006.01); **G06F 21/79** (2013.01); **G11C 7/10** (2006.01)

CPC (source: CN EP KR US)

**G06F 3/06** (2013.01 - US); **G06F 3/0611** (2013.01 - KR); **G06F 12/0802** (2013.01 - KR US); **G06F 13/102** (2013.01 - CN KR US); **G06F 13/124** (2013.01 - CN KR US); **G11C 7/10** (2013.01 - EP); **G11C 7/1075** (2013.01 - EP); **G06F 2212/621** (2013.01 - KR US); **G11C 11/005** (2013.01 - EP); **G11C 2207/105** (2013.01 - EP)

Citation (search report)

- [XY] US 4633440 A 19861230 - PAKULSKI FRANCIS J [US]
- [XYI] US 2018322085 A1 20181108 - EILERT SEAN [US], et al
- [Y] US 2016062921 A1 20160303 - KIM SIK [KR], et al
- [A] RICHARD MATICK ET AL: "All points addressable raster display memory", I.B.M. JOURNAL OF RESEARCH AND DEVELOPMENT,, vol. 28, no. 4, 1 July 1984 (1984-07-01), pages 379 - 392, XP001374078
- See also references of WO 2021055206A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 11416422 B2 20220816**; **US 2021081336 A1 20210318**; CN 114402307 A 20220426; CN 114402307 B 20240524; EP 4031978 A1 20220727; EP 4031978 A4 20231011; JP 2022548640 A 20221121; KR 20220047625 A 20220418; TW 202123233 A 20210616; US 2022391330 A1 20221208; WO 2021055206 A1 20210325

DOCDB simple family (application)

**US 201916573780 A 20190917**; CN 202080064473 A 20200909; EP 20864950 A 20200909; JP 2022517122 A 20200909; KR 20227008803 A 20200909; TW 109130607 A 20200907; US 2020049938 W 20200909; US 202217888392 A 20220815